

ISO 15854:2023-01 (E)

Dentistry - Casting and baseplate waxes

Contents		Page
Foreword		v
Introduction		vi
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Classification	2
5	Requirements	2
5.1	Appearance	2
5.2	Flow	2
5.3	Behaviour on trimming	3
5.4	Behaviour on softening -- Type 1	3
5.5	Appearance after flaming	3
5.6	Behaviour on softening -- Type 2	3
5.7	Residue on artificial teeth -- Type 2	3
5.8	Behaviour of colouring material -- Type 2	3
5.9	Adhesion on storage -- Type 2	3
5.10	Residue on ignition -- Type 1	3
5.11	Biocompatibility	3
6	Sampling	4
7	Test methods -- General	4
7.1	Ambient temperature	4
7.2	Apparatus function verification	4
8	Test methods--Specific	4
8.1	Visual inspection	4
8.2	Flow	4
8.2.1	Principle	4
8.2.2	Apparatus	4
8.2.3	Preparation of test pieces	8
8.2.4	Procedure	9
8.2.5	Expression of results and evaluation	10
8.3	Behaviour on trimming test	11
8.3.1	Principle	11
8.3.2	Apparatus	11
8.3.3	Procedure	11
8.4	Behaviour on softening test -- Type 1	11
8.4.1	Principle	11
8.4.2	Apparatus	11
8.4.3	Procedure	11
8.5	Appearance after flaming test	12
8.5.1	Principle	12
8.5.2	Procedure	12
8.6	Behaviour on softening test -- Type 2	12
8.6.1	Principle	12

8.6.2	Apparatus	12
8.6.3	Procedure	12
8.7	Residue on artificial teeth and behaviour of wax colouring material test -- Type 2	12
8.7.1	Principle	12
8.7.2	Apparatus	13
8.7.3	Procedure	13
8.8	Adhesion on storage test -- Type 2	14
8.8.1	Principle	14
8.8.2	Apparatus	14
8.8.3	Procedure	14
8.9	Residue on ignition test-- Type 1	15
8.9.1	Principle	15
8.9.2	Apparatus	15
8.9.3	Procedure	15
9	Marking and packaging	16
9.1	Marking	16
9.2	Packaging	16
10	Test report	16
Annex A (informative) Determination of the melting point of wax		18
Bibliography		20